

# GEORGE ENGELMANN BOTANICAL NOTEBOOKS

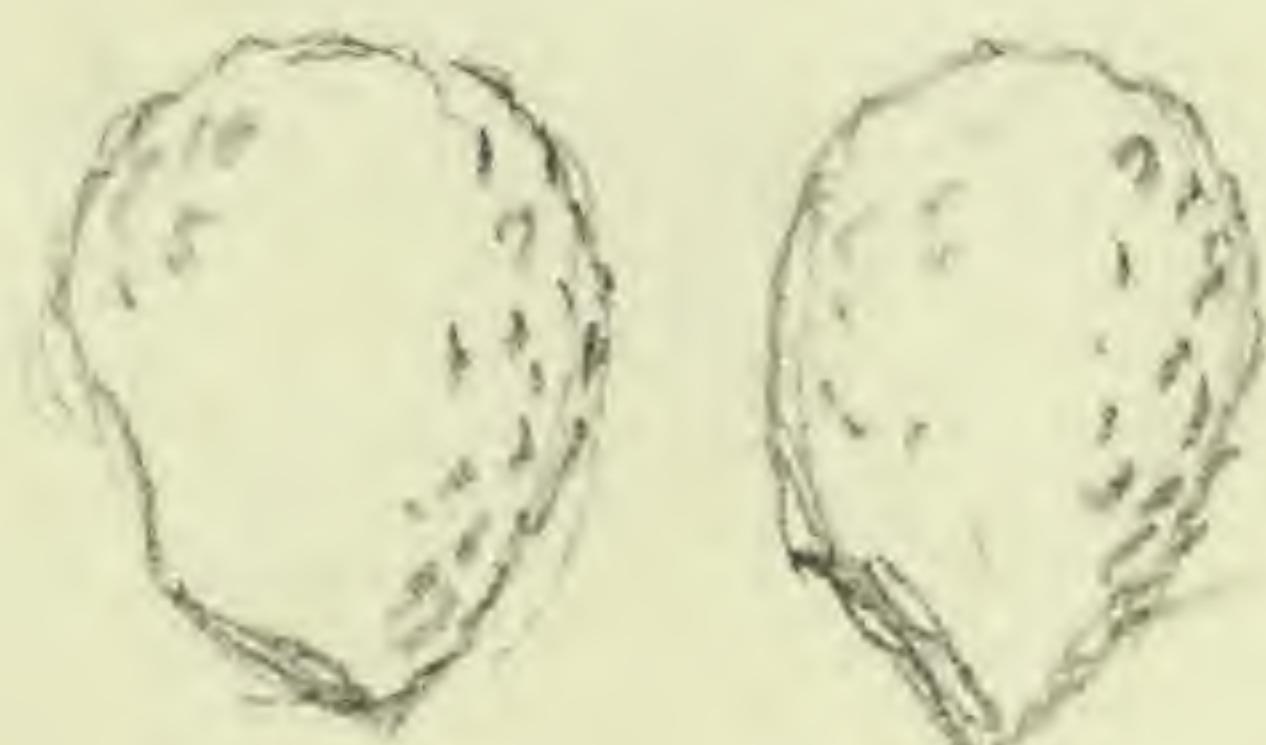
*Pagination Note:  
Since many of the items lack a specific  
page number, the page number displayed  
online refers to the sequentially created  
number each item was given upon  
cataloging the materials.*

*Coccineus (Echinocereus) acifer* Otto Jun 14 1882

N. 278 Blooded flower, open several days  
Dr Parry San Luis Potosi 1873

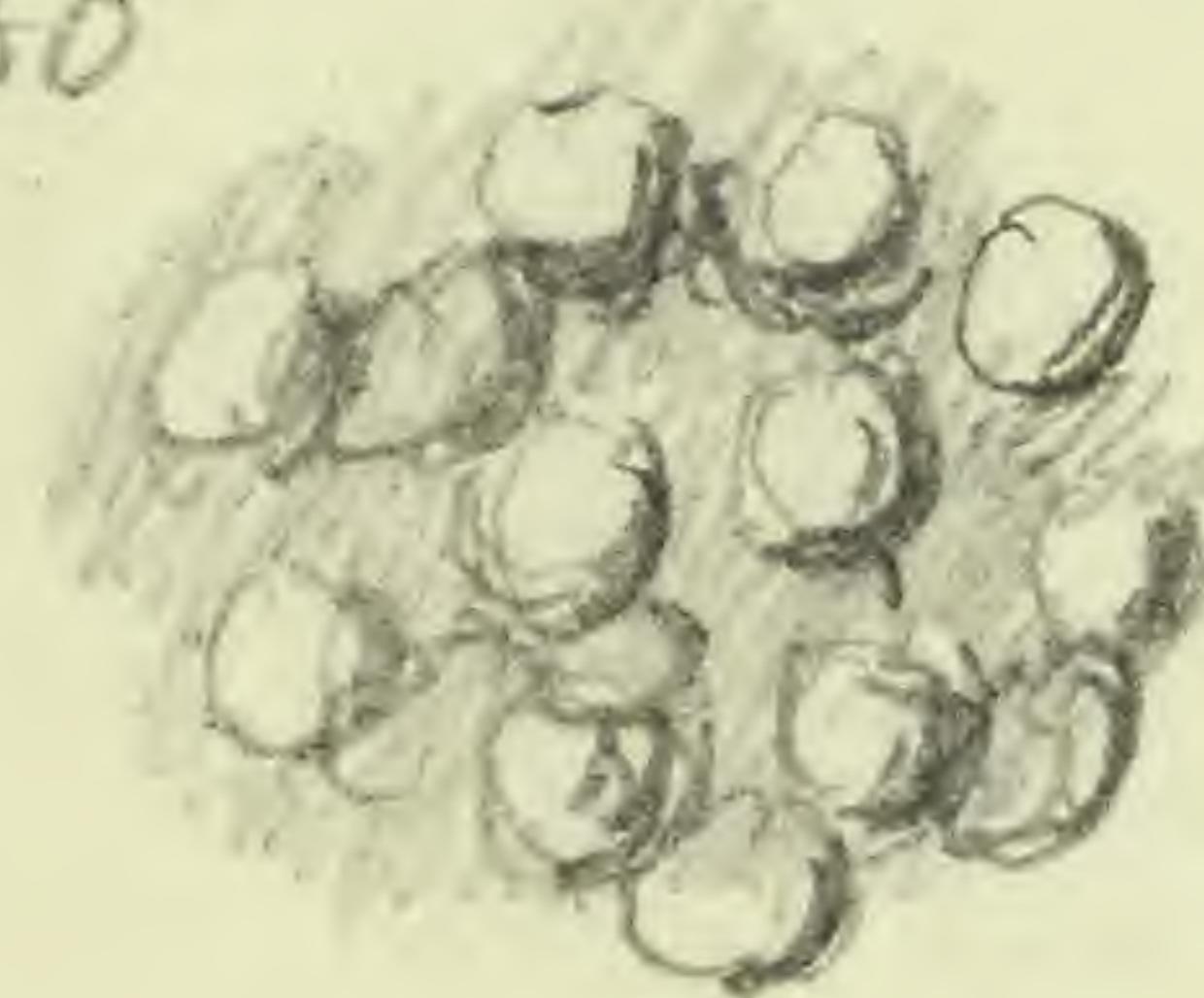
$\times 8$

not quite ripe



flower longer than wide  
tube longer  
narrow 6 long w/  
stems to near apex

$\times 60$



3-4 Centil 10-12 in. l  
sp.

2010

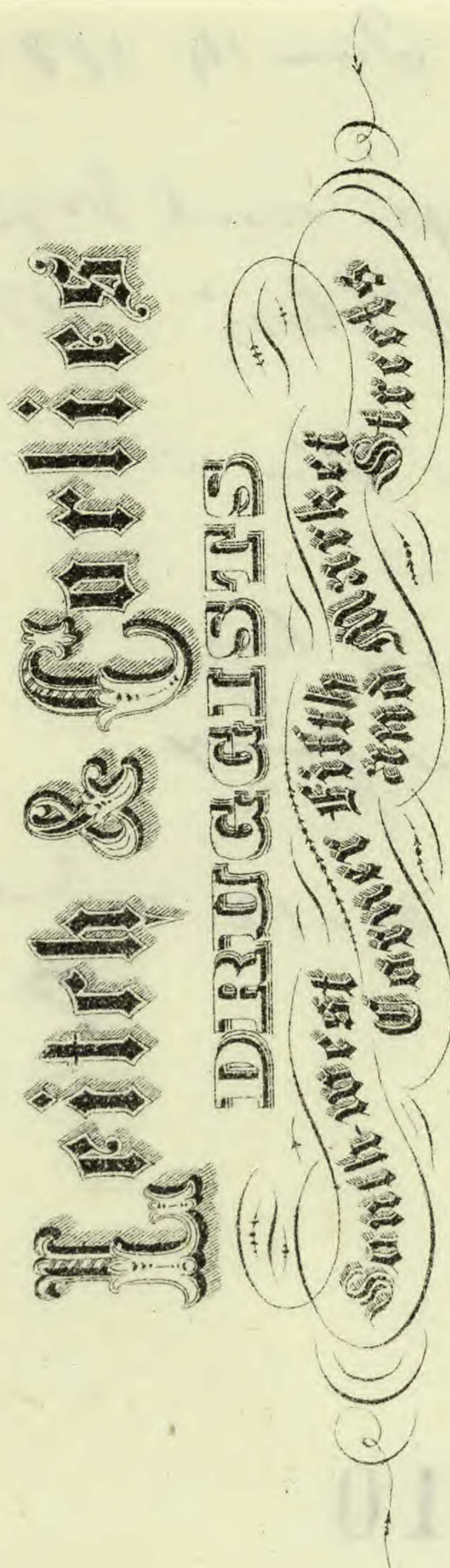


0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Echinocactus carifera flowered  
with Mr Schaefer at May 1856  
He says (from memory) 2011

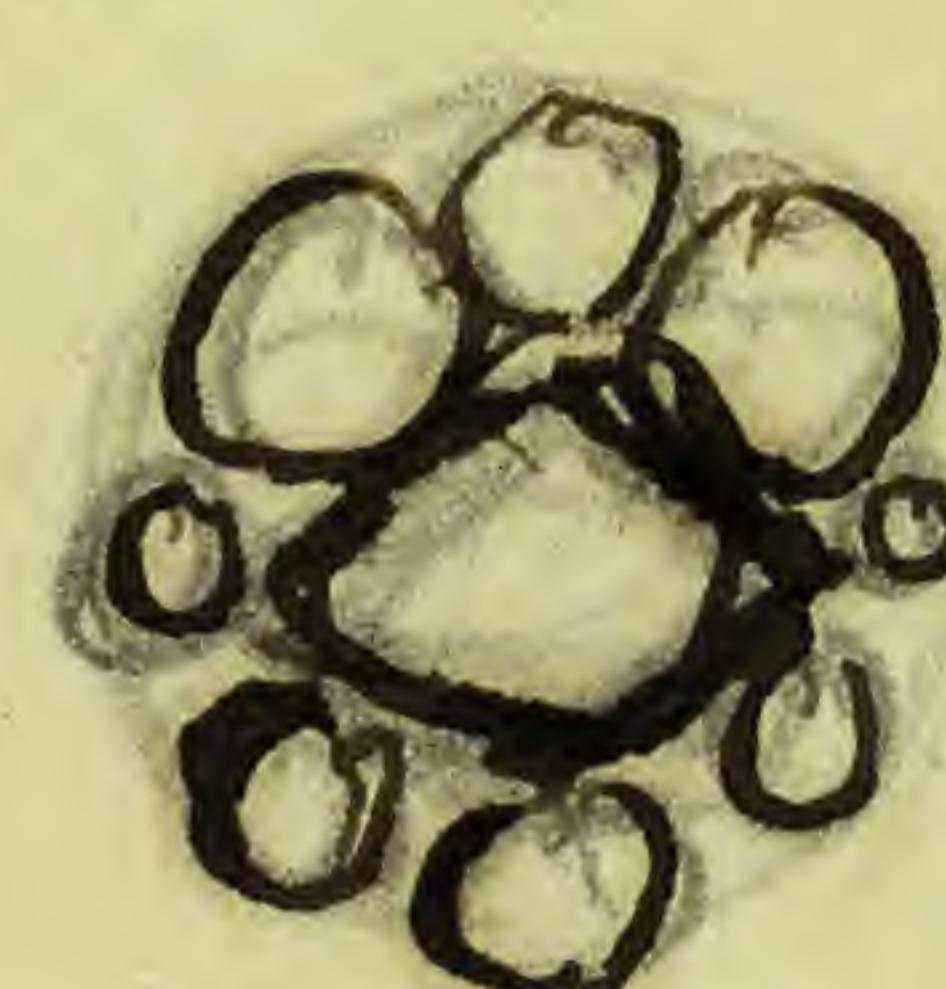
Flowers lateral, near the top  
tube 4 inches long,  $\frac{1}{2}$  inch thick, funnel-  
shaped; green below, red upward;  
below covered with bunches of spines.

Flower 4 inches in diameter, spreading;  
color orange - variegated; stigmas  
numerous, bright green.

June 8<sup>th</sup> 1857 I find 2 plants <sup>just past</sup> flowering  
at Mr Schaefer; -

Plant with 11 ribs, short cylindric;  
about 10 radial spines, upper ones  $\frac{1}{2}$ , lower ones 1  
inch long; central spine 4 very bulbous at  
base, 3 upper ones 1 inch long or less, tenth  
lower one twice as long, flat triangular.  
Flower just below the top,

11 radial spines on one side  
(lower) another on a lower  
radial spine.



10-12 areolar on one side;

very woolly one with numerous spines (12-16 of which  
brown - black)

tube long funnel-shaped with 30 or 40  
scales, bearing spines <sup>very woolly</sup> & areolar.

Opposite & petal, short, numerous, acute



0  
cm

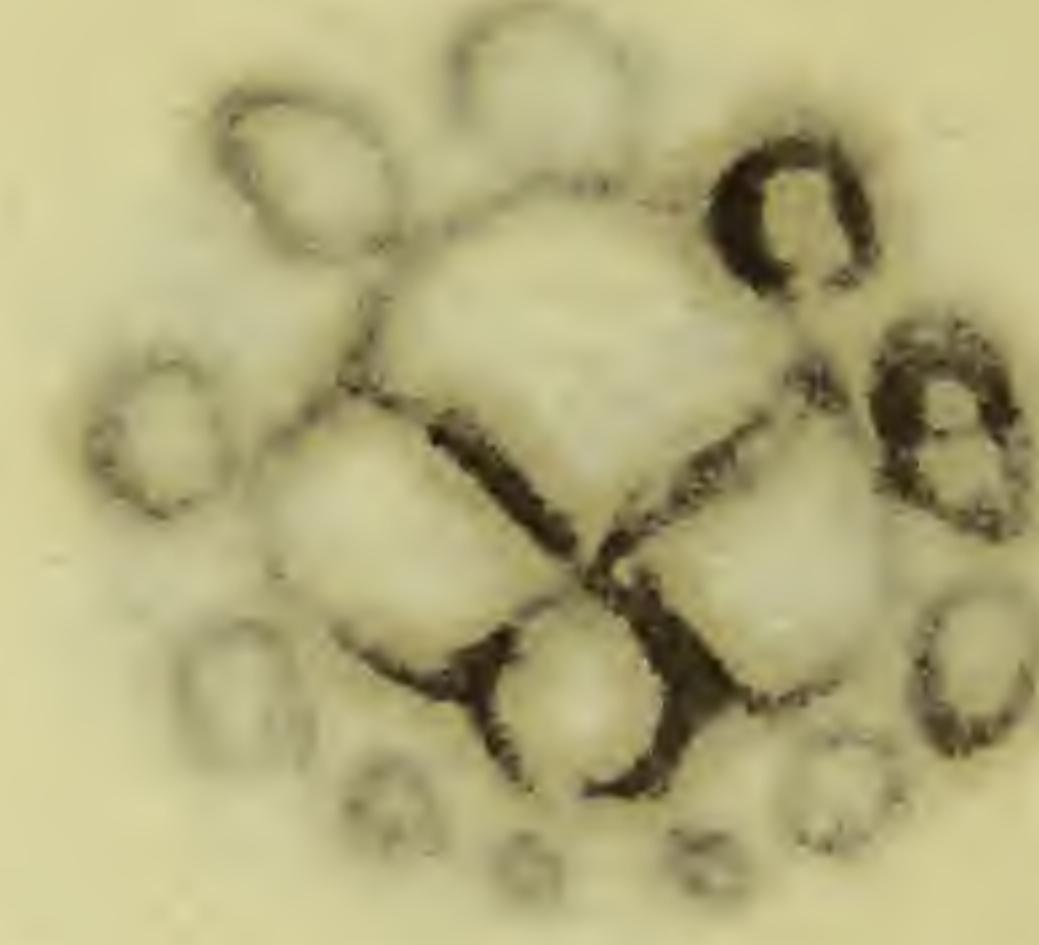
MISSOURI  
BOTANICAL  
GARDEN

copyright reserved

Berlin March 27<sup>th</sup> 1894

Mr. Wm. J. Hooker

Dear Sir



I arrived at this place two weeks ago  
to find my old College friend A. Brown  
with his family.

Miss. Ward, Wm. H. H.



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



# MISSOURI BOTANICAL GARDEN

Franklin Feb 28/7



*Citrus aurifera* (Carrizoana)

seed 0.65 - 0.7 long obovate,  
tuberolate-black; compound, carinate  
on back; hilum oval basal.

Embryo ob. exalbuminous, straight, obovate;  
cotyleds ovary, somewhat inclined  
forward.

2012



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
ANN. PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

2013

Jan 1857

Ceratodon arifex

Herk Dyck

12 - 14 radial spines, ~~longer~~ <sup>upper ones</sup> shorter, all unequal, shorter and longer ones mixed especially above; 4 central spines stouter, strongly bulbous; somewhat angular, especially the ~~upper~~ one which is also a little longer than the other.

Seems to belong to the section of *Stramineus* and very similar to it.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved

MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

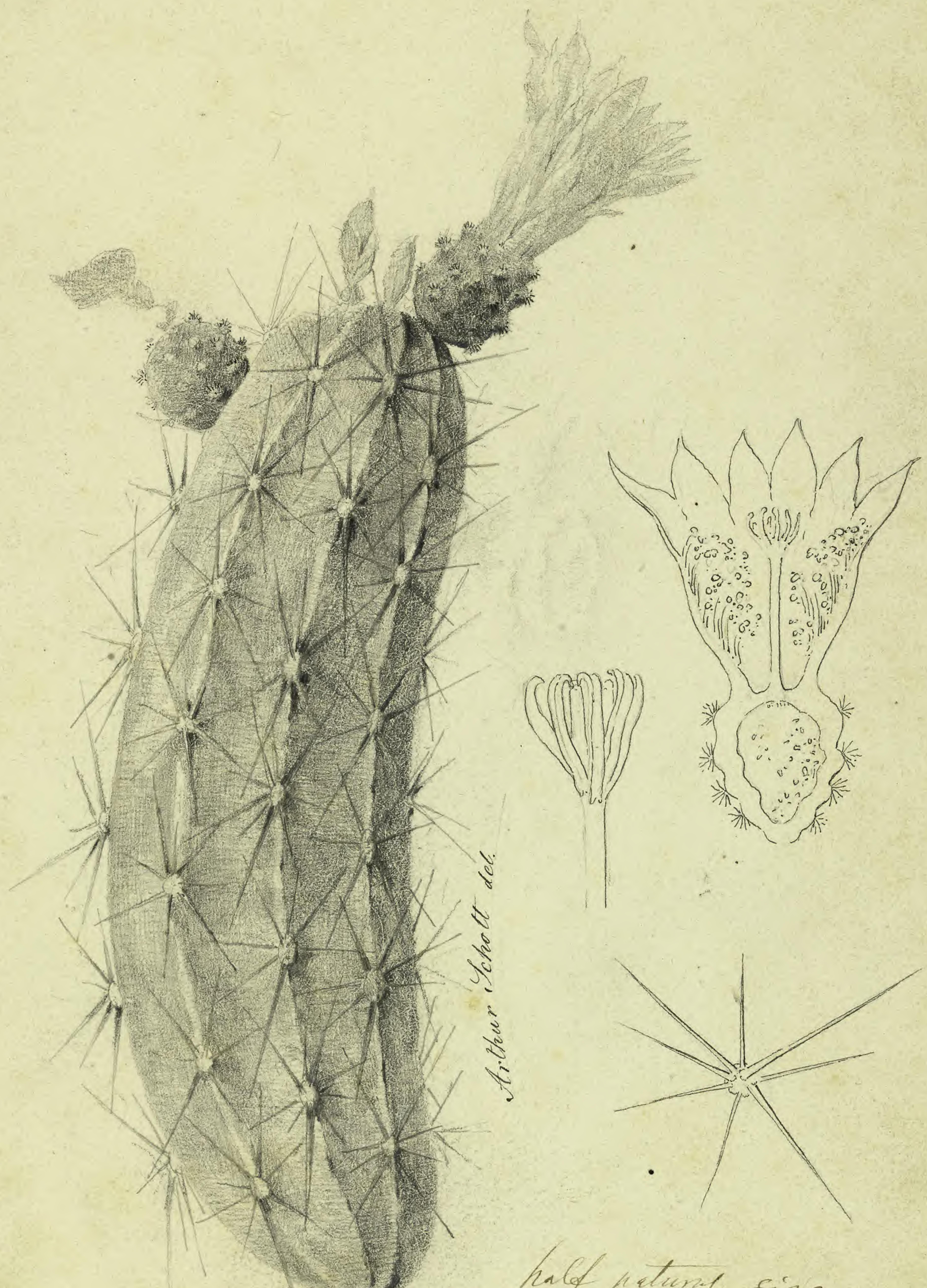
copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

No 8.

2014



half natural size

purple fl. edible fruit common throughout the  
whole cretaceous formation of the Rio Bravo  
(No 4 of several letters)

2014



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

probably full size

Half the natural size ??

Delicious greenish fruit, very pulpy  
flower crimson-purple

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Tender N. Mexico

1<sup>st</sup> November 1846. Higher regions of mountains, Santa Fe, Eastern range, between rocks. Plant marked by alternate ribs and deep cut furrows. 2. *Echinocactus melanacanthus*

spines = 3 *var melanacantha*

4<sup>th</sup> November 1846. Higher regions of the mountains, Santa Fe, Eastern range, steep and rocky sunny declivities, vegetable soil, between rocks generally in large clusters, from 8 to 10 plants issuing from <sup>the base</sup> ~~the same~~ <sup>root</sup> of an older decayed one. - 7<sup>th</sup> March 1847. This plant seems to be the same with No 2., for I have seen both forms in one and the same cluster.

2015

20<sup>th</sup> November 1846. High level and somewhat sandy prairies, Santa Fe.

4<sup>th</sup> November 1846. Higher regions of the mountains, Eastern range, also on lesser hills, gravelly soil, Santa Fe. - Mostly 3 to 5 stout, flattened and somewhat curved spines, with a sharp ridge running on the inside of them from the base to the apex. No central spine; length of the spines about an inch.



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4.  
*Echinocactus*

Tenderi

5.

*E. triglochis*  
dister

9<sup>th</sup> November 1846. In open <sup>sun</sup> mines w. of Santa Fe. Bushes of 1 to - 7.  
 1½ foot high and some nearly 1½ foot in diameter, waste fields, numerous.

31<sup>st</sup> October 1846. Near Santa Fe, numerous, In and near ravines. - - - 8.

4<sup>th</sup> November 1846. Near Santa Fe. Old cornfields. Uniformly dis- - - 9.  
 tributed over the surface as if planted with care.

31<sup>st</sup> October 1846. Numerous & socially. Upwards to 5 feet high. 10.  
 Santa Fe.

31<sup>st</sup> October 1846. Santa Fe. Higher part of the Creek-bank, rather 11.  
 socially, 1½ foot high.

4<sup>th</sup> November 1846. Santa Fe. Pebby hills. - - - - - 12.

4<sup>th</sup> November 1846. Santa Fe. Low Mountain-valleys. - - - - - 13.

4<sup>th</sup> November 1846. Santa Fe. . or — or — — — 14.

11<sup>th</sup> November 1846. Santa Fe. On the very summit of a high 15.  
 mountain, between rocks. A shrub from 3 to 4 feet high. The  
 greater part of the seeds already fallen out.

4<sup>th</sup> November 1846. Santa Fe. Lower mountain-valleys - - - - - 16.

31<sup>st</sup> October 1846. Santa Fe. Higher part of the creek-bank. 17.

4<sup>th</sup> November 1846. To *Lactuca* No. 9. - - - - - 18.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Conrad Steiner.

angustis

in which many low oval heads of oak

Scit. Echinocea Lyl. stems ~~are~~<sup>are</sup> usually ~~all~~<sup>all</sup>  
and many headed, flowing ~~about~~<sup>about</sup> short ~~the~~<sup>the</sup>, mostly as wide as  
long, ~~now~~<sup>now</sup> covered with bunches of spiny, stiff green; seed  
small, tubercles, ~~only~~<sup>only</sup> short ~~the~~<sup>the</sup> round 2016

2016

John Engle

From Ft Mohave again to the Salt Lake Desert to the Snow peak  
(gall) St George (Johnson) - I went to <sup>Birds</sup> Head & on  
a round trip south to Ft Mohave country.



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



# MISSOURI BOTANICAL GARDEN

copyright reserved

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Echinocereus Engelm. var. variegatus <sup>Dot</sup>  
South Utah <sup>whipk</sup> J. E. Johnson  
Oct 1870

6-7 in. high 2-2½ in. dia.  
many heads  
12 ribs, interrupted <sup>start</sup>  
4 (rarely 3 or 5) with spines, the  
lower ones darker, white 4 angled  
the upper ones blackish or blackish  
parts colored — 8-13 in. long  
radial spines 12-14 white 5-6 in.  
2, lower lateral, largest, uppermost  
small, roundish dark.



2017



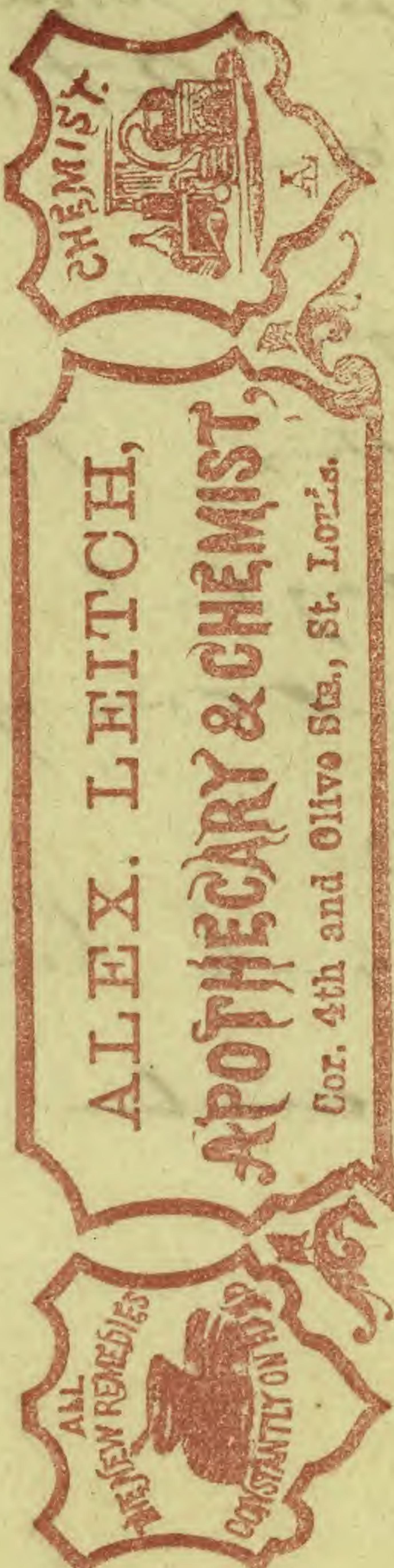
0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

7108



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

At 22 1870

2018

St. Louis

Cover Colorado 1870

*Cebrennerus Elegans*

near var chrysanthus Carl Stimpf.

12 nbs

4 radial spines, cover on flat, angle  
whitish, upper ones darker at tip  
all at last deep yellow or yellowish  
of 2 or 3 additional outer pins, little  
weaker, above the others,

12-14 white mid spines, cover  
pins by far the stoutest and longest

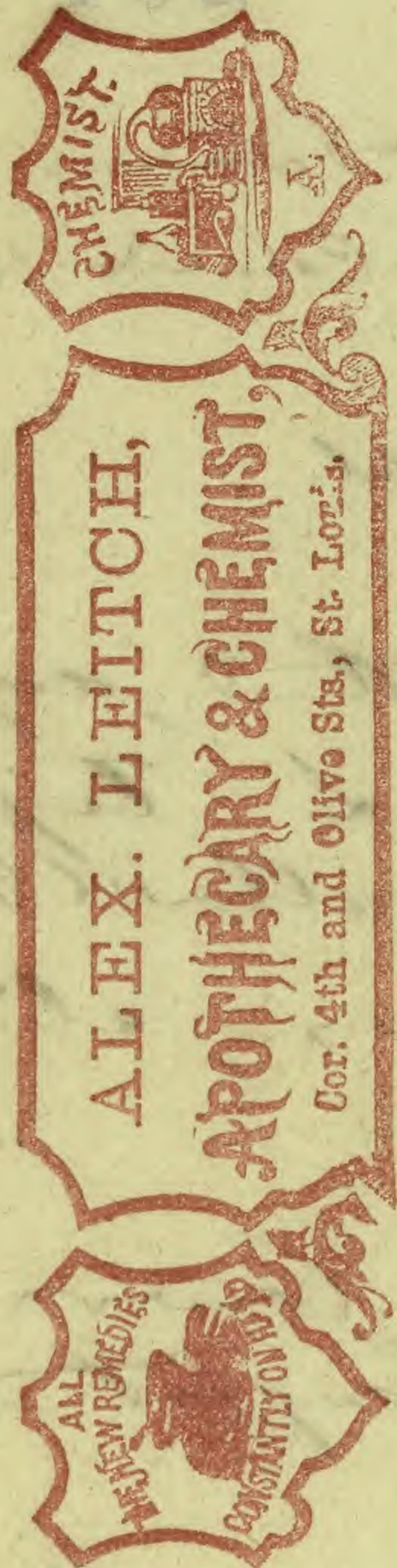


0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Cer (Eckroa) phoenicis from  
Colorado, flowering at Tamm's  
9-10 ribs - colour pale green  
8-10 radial, 1-3 central spines  
whitish, grey - straight, needle-like  
flwr yellowish red, scarlet  
2 inches long, 1 inch open  
7-8 green stigmas.

Fl. May 1879.

2019

Cer. (Eckroa) ~~binidiflora~~ from  
Colorado, flowering at Tamm's  
May 1879

02-13 ribs;  
fl.  $1\frac{1}{4}$  inches long,  $\frac{3}{4}$  wide  
7-8 green stigmas.

— NEW HYBRID ECHEVERIAS.—The current  
number of the *Hamburger Gartenzeitung* contains a  
list, with brief descriptions, of hybrid Echeverias  
raised by F. VON DER HEIDE, of Hilden-on-the-  
Rhine, noted for his extensive collections of succulent  
plants. His Cactaceæ alone number nearly a thou-  
sand species and varieties. The new Echeverias are:—

Genl Chas May 2 1879

11



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

81.

# Fine Works of Art.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

*MR. DENIS GALE,*

OF PHILADELPHIA.

Has the honor to request the presence of yourself and friends, at a private view of a collection of Paintings, Marbles, etc., at the galleries of Messrs. Pettes & Leathe, on Tuesday evening, May 13th, at eight o'clock.

608 Washington Ave.

(OVER.)



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN